

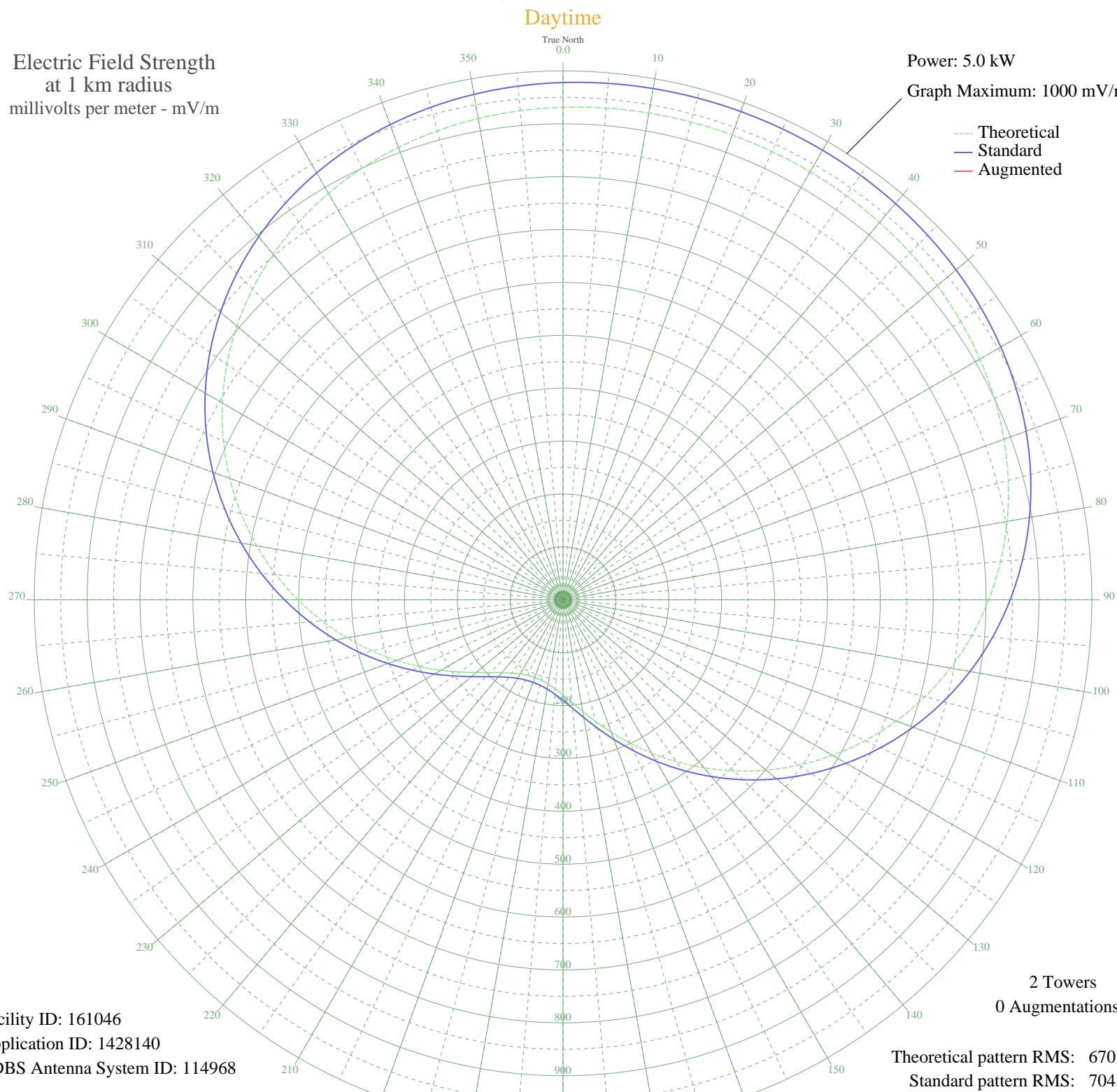
# NEW BLUE DIAMOND, NV BNP-20110524AGJ 1020 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 5.0 kW  
Graph Maximum: 1000 mV/m

Theoretical  
Standard  
Augmented



Facility ID: 161046  
Application ID: 1428140  
CDBS Antenna System ID: 114968

2 Towers  
0 Augmentations

Theoretical pattern RMS: 670.60  
Standard pattern RMS: 704.53

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	931.16	978.00	
5	933.17	980.11	
10	934.44	981.44	
15	935.12	982.39	
20	935.34	982.39	
25	935.12	982.16	
30	934.44	981.44	
35	933.17	980.11	
40	931.16	978.00	
45	928.14	974.83	
50	923.85	970.33	
55	917.96	964.14	
60	910.12	955.92	
65	900.00	945.29	
70	887.25	931.91	
75	871.58	915.46	
80	852.76	895.71	
85	830.62	872.46	
90	805.06	845.64	
95	776.11	815.25	
100	743.88	781.43	
105	708.60	744.40	
110	670.60	704.52	
115	630.32	662.25	
120	588.26	618.12	
125	545.04	572.77	
130	501.28	526.87	
135	457.69	481.15	
140	414.97	436.35	
145	373.83	393.23	
150	334.96	352.50	
155	299.03	314.86	
160	266.62	280.93	
165	238.24	251.25	
170	214.26	226.19	
175	194.83	205.91	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	179.88	190.33	
185	169.10	179.10	
190	161.96	171.68	
195	157.96	167.51	
200	156.67	166.18	
205	157.96	167.51	
210	161.96	171.68	
215	169.10	179.10	
220	179.88	190.33	
225	194.83	205.91	
230	214.26	226.19	
235	238.24	251.25	
240	266.62	280.93	
245	299.03	314.86	
250	334.96	352.50	
255	373.83	393.23	
260	414.97	436.35	
265	457.69	481.15	
270	501.28	526.87	
275	545.04	572.77	
280	588.26	618.12	
285	630.32	662.25	
290	670.60	704.52	
295	708.60	744.40	
300	743.88	781.43	
305	776.11	815.25	
310	805.06	845.64	
315	830.62	872.46	
320	852.76	895.71	
325	871.58	915.46	
330	887.25	931.91	
335	900.00	945.29	
340	910.12	955.92	
345	917.96	964.14	
350	923.85	970.33	
355	928.14	974.83	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission